

Notice of Allowability

Application No.

10/602,366

Examiner

Yuriy Semenenko

Applicant(s)

RECORD ET AL.

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/20/2005.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

Response to Amendment

1. Amendment filed on 6/20/2005 has been entered.

In response to the Office Action dated April 28, 2005, Applicants has amended claims 39, 40, 41.

Claims 1-40 are now pending in the application.

Drawings

2. Objection to drawings has been withdrawn.

Claims

3. Claims 39-41 amendment, filed on 6/20/2005 are considered and is acknowledged.

Response to Arguments

4.1. Applicant's arguments with respect to Drawing are considered and acknowledged, they are persuasive.

4.2. Applicant's arguments with respect to independent claims 1, 18, 30 are considered and acknowledged.

Applicant discloses in convey to claim 1 (page 9) "However, Agatstein fail to disclose or suggest a connector that is located adjacent to a routing channel."

This is not found persuasive because:

First of all term adjacent means near but it is not determine exactly location of the connector.

Second as, Agatstein teaches (column 5, lines 42-60) [t]he geometry of the voltage regulator module allows it to be placed close to the microprocessor. The microprocessor is connected to the bus for communicating information to and from data storage devices. Thus a connector is located adjacent to a routing channel.

Claim Rejections

5. Claim rejections have been withdrawn.

Allowed Claims

6.1. Claims 1-40 are allowed.

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6.2. The following is a statement of reasons for the indication of allowance:

6.2.1. Limitation “a bridge across the routing channel for facilitate distribution of the power to the processor” in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art.

Applicant introduces new design (structure) of mounting power handling components on printed circuit boards near high density routing channels. The regulator and the first and second connectors form a bridge across the routing channel.

The regulator and the first and second connectors forming a bridge across the routing channel as recited in claims 1, 18, 30 of invention is not teaches and is not suggested by the prior art or is not obvious by combinations of the references.

Claims 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 17 depend on claim 1. Claims 10, 11 depend on claim 9.

Claims 19, 20, 21, 22, 23, 25, 26, 27, 28, 29 depend on claim 18. Claim 24 depends on claim 23.

Claims 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 depend on claim 30.

7.1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuriy Semenenko whose telephone number is (571) 272-6106.


The examiner can normally be reached on 8:30am - 5:00pm.

7.2. If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Kamand Cuneo can be reached on (571)- 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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7.3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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